## **PCT**

## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:		(11) International Publication Number: WO 00/65668
H01L 41/04	A1	(43) International Publication Date: 2 November 2000 (02.11.00)
(21) International Application Number: PCT/CN99/00061		(81) Designated States: AT, CN, DE, ES, GB, JP, KR, PL, US.
(22) International Filing Date: 26 April 1999 (26.04.99)		Published With international search report.
(71) Applicant (for all designated States except US): POLYCITY ENTERPRISE LIMITED [CN/CN]; Flat D, 19th Floor, Wah Ha Industrial Building, 8 Shipyard Lane, Quarry Bay, Hong Kong (CN).		
(72) Inventor; and (75) Inventor/Applicant (for US only): SHER, Tak, Chi Flat D, 19th Floor, Wah Ha Industrial Building, 8 Lane, Quarry Bay, Hong Kong (CN).	I]; rd	
(74) Agent: SHANGHAI PATENT & TRADEMARK I FICE; 435 Guiping Road, Shanghai 200233 (CN)	F-	
All fluid with the district with the second		
Henry		
(54) Title: IMPROVED HAMMER FOR A PIEZOELECTRIC ACTUATOR AND METHOD FOR PRODUCING SAME		

## (57) Abstract

An enhanced hammer for a piezoelectric actuator having integral arms extending horizontally from a ring body supported by a hammer body member. The hammer body member has a testically extending elongated axle for centering the ring member. The ring member rests upon the base portion of the body member. The ring and base are molded as separate unitary pieces which are then fitted together to form the complete hammer assembly.

